

Orona 3G

X-18

## Machine-room-less electrical gearless solutions (MRLG)

High efficiency for public buildings.

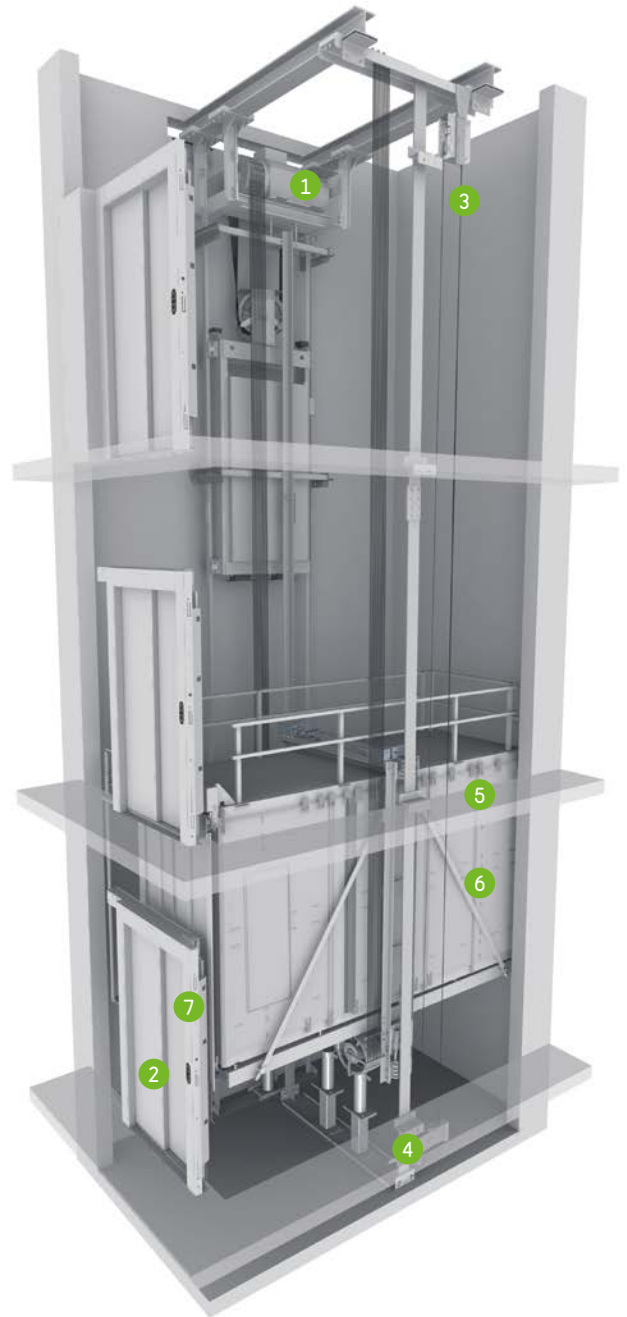
Maximum durability, comfort, and reliability.

The high transport capacity and dimensional flexibility solution for all types of loads.

### General specifications

Load	1,650 to 2,500 kg
Capacity	22 to 33 persons
Speed	0.6 - 1 - 1.6 m/s
Maximum travel	50 - 50 - 75 m
Maximum floors served	32 floors
Entrances	1 front / 2 open through
Drive system	Direct gearless
Controller	ARCA II / III controller, low energy consumption multiprocessor
Door types	Automatic side-opening / Automatic central-opening
Clear door opening	From 900 to 2,500 mm (in increments of 100 mm)
Door height	2,000 / 2,100 / 2,200 / 2,300 mm
Car dimensions	Parametric car dimensions
Internal car height	2,100 / 2,200 / 2,300 / 2,400 mm
Aesthetic solutions	Orona 3G Public Plus

Standard Optional



#### 1 DRIVE

Compact, quiet, gearless, energy efficient, speed regulated (VVVF) permanent magnet electric motor.



#### 2 SOLID DOORS

Extra robust doors with reduced sound levels inside and outside the lift and which are specially constructed for high volume passenger traffic.



#### 3 PARAMETRIC/FLEXIBLE

Flexible car and door configurations ensure available shaft dimensions can be optimised (optional).



#### 4 ACCESSIBLE SPACE BELOW THE PIT

Adapts the lift to suit buildings which have an accessible space below the pit (optional).



#### 5 ROBUST LIFT CAR

Provides greater comfort during lift travel, with reduced vibration and noise.



#### 6 CARS

Reinforced wall panels and flooring provides durability for heavy duty usage. Flexible configurations offering optimum car and door dimensions.



#### 7 AUTOMATIC RESCUE SYSTEM

With floor level indication to ensure fast, efficient and safe evacuation of passengers in the event of an emergency. As an option, the system can incorporate a fully-automatic rescue device to evacuate passengers in the event of a power failure.



## Standard dimensions

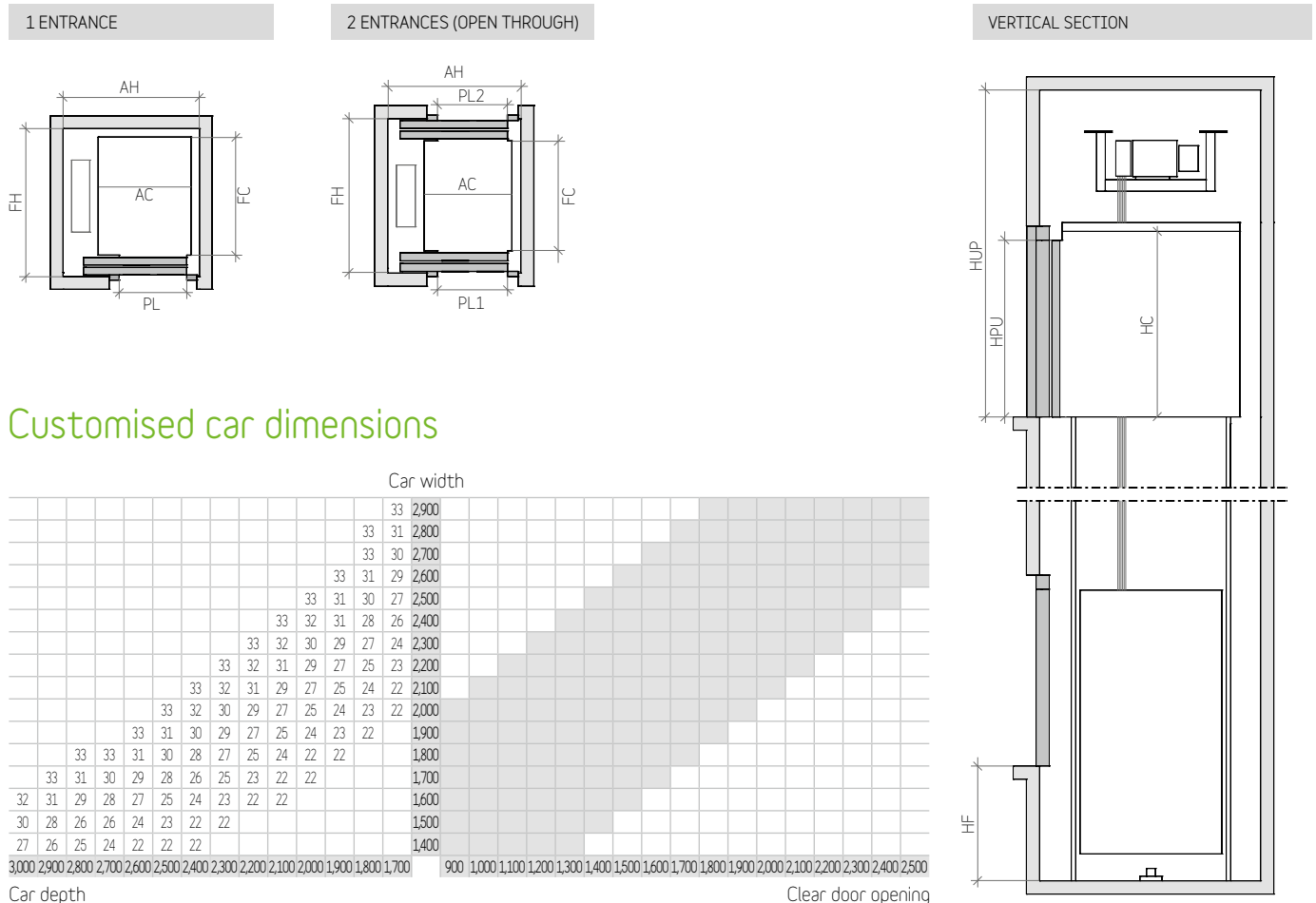
Load / capacity				Car				Lift shaft*				
Speed			Q Load	AC Width	FC Depth	PL Clear opening	Type	No. of entrances	AH <sup>1</sup> Width	FH Depth	HF <sup>2</sup> Pit	HUP <sup>3</sup> Headroom
0.6 m/s		24	1,800 kg	2,350	1,600	1,200	CC	1 2 x 180°	3,150	1,950	1,450	3,625
				2,350	1,700	1,200	CC	1 2 x 180°		2,160		
				1,500	2,700	1,300	TT	1 2 x 180°		2,050		
	26	2,000 kg	2,350	1,700	1,200	CC	1 2 x 180°	3,150	2,260			
			1,500	2,700	1,300	TT	1 2 x 180°		3,050			
			1,800	2,700	1,300	TT	1 2 x 180°		3,260			
1 m/s		24	1,800 kg	2,350	1,600	1,200	CC	1 2 x 180°	3,150	1,950	1,450	3,650
				2,350	1,700	1,200	CC	1 2 x 180°		2,160		
				1,500	2,700	1,300	TT	1 2 x 180°		2,050		
	26	2,000 kg	2,350	1,700	1,200	CC	1 2 x 180°	3,150	2,260			
			1,500	2,700	1,300	TT	1 2 x 180°		3,050			
			1,800	2,700	1,300	TT	1 2 x 180°		3,260			
1.6 m/s		24	1,800 kg	2,350	1,600	1,200	CC	1 2 x 180°	3,150	1,950	1,600	3,790
				2,350	1,700	1,200	CC	1 2 x 180°		2,160		
				1,500	2,700	1,300	TT	1 2 x 180°		2,050		
	26	2,000 kg	2,350	1,700	1,200	CC	1 2 x 180°	3,150	2,260			
			1,500	2,700	1,300	TT	1 2 x 180°		3,050			
			1,800	2,700	1,300	TT	1 2 x 180°		3,260			

- With 2 panel telescopic doors
- With PVC flooring. Marble floor option + 20 mm
- HUP minimum for internal car height (HC) of 2,100 mm

CC - Two panel central door  
TT - Two panel telescopic door

\* Minimum plumb measurements

## Layout



Note: Car width and depth variable in increments of 5 mm.  
For simplification, table samples show increments of 100 mm.